

## ABSTRACT OF THE DISCLOSURE

A display panel driver has a single resistor string for gamma correction and a signal power supply, which have heretofore been required for each of red, green, and blue, and is small in size and has its power consumption reduced. Voltage generator including a single resistor string having  $n$  reference voltage terminals generates  $n$  reference voltages. Voltage selector selects and outputs  $m$  red gradation voltages  $V_r(0)$  through  $V_r(15)$ ,  $m$  green gradation voltages  $V_g(0)$  through  $V_g(15)$ , and  $m$  blue gradation voltages  $V_b(0)$  through  $V_b(15)$  from the  $n$  reference voltages. The display panel driver provides all of a gamma correction curve for red, gamma correction curve for green, and a gamma correction curve for blue with a single resistor string and a pair of power supplies including a ground potential.